

AMENDMENTS TO THE CLAIMS:

The listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (previously presented) A medical device or component thereof formed at least in part of a copolymer, the copolymer comprising:
  - a) a polyester hard block selected from the group consisting of poly(ethylene terephthalate), poly(ethylene naphthalate), poly(alkylene naphthalates), and poly(cycloalkylene naphthalates); and
  - b) a polylactone soft block.
2. (canceled)
3. (canceled)
4. (original) The medical device of claim 1 wherein the polylactone block is polycaprolactone.
5. (original) The medical device of claim 1 wherein the copolymer comprises a di-block copolymer of poly(ethylene terephthalate) and polycaprolactone.
6. (original) The medical device of claim 1 wherein the medical device is selected from the group consisting of a stent cover, a vascular graft, and a catheter balloon.
7. (previously presented) A catheter balloon formed at least in part of a copolymer, the copolymer comprising:

a) a polyester hard block selected from the group consisting of poly(ethylene terephthalate), poly(ethylene naphthalate), poly(alkylene naphthalates), and poly(cycloalkylene naphthalates); and

b) a polylactone soft block.

8. (canceled)

9. (canceled)

10. (original) The catheter balloon of claim 7 wherein the copolymer comprises a copolymer of poly(ethylene terephthalate) and polycaprolactone.

11. (original) The catheter balloon of claim 7 wherein the copolymer comprises a di-block copolymer.

12. (original) The catheter balloon of claim 7 wherein the amount of the polylactone is about 1 wt% to about 99 wt% of the copolymer weight.

13. (original) The catheter balloon of claim 7 wherein the polylactone block is polycaprolactone.

14. (original) The catheter balloon of claim 13 wherein the amount of the polycaprolactone is about 10 wt% to about 20 wt% of the copolymer weight.

15. (original) The catheter balloon of claim 14 wherein the balloon has a low compliance of about 0.012 mm/atm to about 0.02 mm/atm at an inflation pressure of about 8 atm to about 24 atm.

16. (original) The catheter balloon of claim 14 wherein the balloon has a low compliance of about 0.03 mm/atm to about 0.045 mm/atm at an inflation pressure of about 8 atm to about 18 atm.

17. (original) The catheter balloon of claim 7 wherein the balloon is formed from balloon tubing extruded in a reactive extrusion process.

18. (original) A catheter balloon formed at least in part of a copolymer, the copolymer comprising:

- a) a hard block selected from the group consisting of polyester, polyamide, polyimide, and polyolefin; and
- b) a polylactone soft block.

19.-29. (canceled)

30. (new) A balloon catheter, comprising:

- a) an elongated shaft having a proximal end, a distal end, a distal shaft section, and an inflation lumen; and
- b) an inflatable balloon on the distal shaft section with an interior in fluid communication with the inflation lumen, the balloon being formed at least in part of a copolymer having a hard block selected from the group consisting of polyamide, polyimide, and polyolefin, and a polylactone soft block.